

**Claims**

Claim 12. (Currently Amended) A method of adjusting a fiber pigtailed assembly for coupling light along an optical axis from a beveled end of an optical fiber to an optical detector having a detector surface tilted and rotated with respect to the beveled end to produce low back reflectance and minimum polarization-dependent responsivity comprising the steps of:

providing a source of light having a plurality of polarization states to the optical fiber;

adjusting a rotation angle about the optical axis between the beveled end of the optical fiber and the detector surface of the optical detector adjacent the beveled end while observing an electrical output from the optical detector for a minimum peak-to-peak value.

Claim 13. (Original) The method as recited in claim 12 further comprising the steps of:

adjusting a tilt angle between the detector surface and the beveled end while observing the electrical output from the optical detector for the minimum peak-to-peak value; and

iterating the rotation and tilt angle adjusting steps as necessary to obtain the lowest minimum peak-to-peak value for the electrical output.